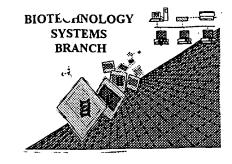
BEST AVAILABLE COPY

RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	09/978,19/	
Source:	0196	
Date Processed by STIC:	11/1/2001	

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 3.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 09/978,19/
ATTN: NEW RULES CASE	S: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOF
1Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to Include the skipped sequences.
8Skipped Sequences' (NEW'RULES)	Sequence(s) missing. If Intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
0Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
1_Use of <220>	Sequence(s) 57 missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
2Patentin 2.0 "bug"	Please do not use "Copy to Disk" function of Patentln version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
3Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH - Biotechnology Systems Branch - 08/21/2001

DATE: 11/01/2001

TIME: 10:56:32

OIPE

```
Input Set : A:\sequence_listing_for_P2630P1C4.wpd
                                                                 PP. 4,6
                    Output Set: N:\CRF3\11012001\I978191.raw
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             Baker Kevin P.
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             Botstein, David
     6
             Desnoyers, Luc
     7
             Eaton, Dan
     8
             Ferrara, Napoleon
                                                                  Does Not Comply
     9
             Filvaroff, Ellen
                                                              Corrected Diskette Needed
    10
             Fong, Sherman
    11
             Gao, Wei-Qiang
    12
             Gerber, Hanspeter
    13
             Gerritsen, Mary E.
    14
             Goddard, Audrey
    15
           · Godowski, Paul J.
    16
             Grimaldi, J. Christopher
    17
             Gurney, Austin L.
    18
             Hillan, Kenneth J
    19
             Kljavin, Ivar J.
             Kuo, Sophia S.
    20
    21
             Napier, Mary A.
    22
             Pan, James;
    23
             Paoni, Nicholas F.
    24
             Roy, Margaret Ann
    25
             Shelton, David L.
    26
             Stewart, Timothy A.
    27
             Tumas, Daniel
    28
             Williams, P. Mickey
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             Wood, William I.
    31 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/978,191

RAW SEQUENCE LISTINGPATENT APPLICATION: US/09/978,191

TIME: 10:56:32

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/978,191

DATE: 11/01/2001

TIME: 10:56:33

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Output Set: N:\CRF3\11012001\1978191.raw

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PATENT APPLICATION: US/09/978,191

DATE: 11/01/2001 TIME: 10:56:33

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RAW SEQUENCE LISTING

DATE: 11/01/2001

PATENT APPLICATION: US/09/978,191

TIME: 10:56:33

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<400> 157

Met Gly Leu His Leu Arg Pro Tyr Arg Val Gly Leu Leu Pro Asp 1 5 10 15

(M) \$

Use of n and/or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

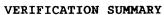
PATENT APPLICATION: US/09/978,191

DATE: 11/01/2001 TIME: 10:56:34

Input Set : A:\sequence_listing_for_P2630P1C4.wpd

Output Set: N:\CRF3\11012001\1978191.raw

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L:36 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:244 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:370 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:445 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:978 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:980 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:992 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:1012 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:1014 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:1016 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
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L:1024 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:1026 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:1041 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L\!:\!1043 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
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L:6192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:151
L:6196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:151
L:6223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152
L:6225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152
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PATENT APPLICATION: US/09/978,191

DATE: 11/01/2001 TIME: 10:56:34

Input Set : A:\sequence_listing_for_P2630P1C4.wpd

Output Set: N:\CRF3\11012001\1978191.raw

L:6387 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:157

L:6389 M:258 W: Mandatory Feature missing, <220> FEATURE:

L:6389 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:

L:7713 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 L:7719 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191

L:7729 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 L:8724 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:215 L:10653 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:265

L:10655 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:265 L:10657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:265